

[00056]

CLAIMS

What is claimed is:

1. A printing device comprising:
one or more print cartridges configured to selectively eject generally fluidic material onto a media; and,
wherein at least one print cartridge of the one or more print cartridges is configured to eject a first generally fluidic material comprising a slurried suspension.
2. The printing device of claim 1, wherein the slurried suspension comprises a slurried suspension configured to form a photovoltaic cell.
3. The printing device of claim 2, wherein multiple print cartridges are configured to eject the slurried suspension, and wherein at least one of the multiple print cartridges is configured to eject a form of the slurried suspension that appears as a first color to an observer, and at least one different print cartridge of the multiple print cartridges is configured to eject a different form of the slurried suspension that appears as a second different color to an observer.
4. The printing device of claim 2, wherein each of the one or more print cartridges is configured to eject the slurried suspension.

5. The printing device of claim 1, wherein the slurried suspension comprises multi-phase mixed metal particles in a carrier solution.
6. The printing device of claim 1 further comprising at least one print cartridge configured to eject a second generally fluidic material that does not comprise a slurried suspension.
7. The printing device of claim 1 further comprising at least one print cartridge configured to eject a second generally fluidic material comprising solar cell conditioning agents.
8. A printing device comprising:
 - a first set of firing nozzles formed in a first orifice layer;
 - a second different set of firing nozzles formed in a second orifice layer;
 - and,
 - wherein individual nozzles of the first set have a diameter taken transversely to a long axis of the individual nozzles of less than about 25 microns, and wherein individual nozzles of the second set have a diameter taken transversely to a long axis of the individual nozzles of more than about 25 microns.
9. The printing device of claim 8, wherein the diameter of the first set is in a range of about 10 to about 25 microns.

10. The printing device of claim 8, wherein the diameter of the first set is about 12 microns.
11. The printing device of claim 8, wherein the diameter of the second set is in a range of about 50 to about 100 microns.
12. The printing device of claim 8, wherein the first orifice layer and the second orifice layer comprise the same orifice layer.
13. The printing device of claim 8, wherein the first orifice layer comprises a first print cartridge and the second orifice layer comprises a second different print cartridge.
14. The printing device of claim 8, wherein the first set is configured to eject a first type of generally fluidic material, and the second set is configured to eject a second different type of generally fluidic material.
15. A printing device comprising:
 - a first set of firing nozzles configured to eject a first fluid type; and,
 - a second set of firing nozzles configured to eject a second different fluid type.
16. The printing device of claim 15, wherein the first set of nozzles are configured to be supplied by a first pathway that has a minimum dimension

of about 25 microns as defined by at least a first sidewall and a second sidewall wherein the second set of nozzles are configured to be supplied by a second pathway that has a minimum dimension of greater than about 25 microns as defined by at least a third sidewall and a fourth sidewall.

17. The printing device of claim 15, wherein the first set of firing nozzles and the second set of firing nozzles are positioned on different print heads.

18. A printing device comprising:

multiple print cartridges configured to eject fluid onto a media to form a desired image; and,

wherein at least a portion of the ejected fluid is configured to form a solar cell on the media.

19. The printing device of claim 18, wherein at least one print cartridge has a print head that is configured with a first set of firing nozzles supplied by a first fluid pathway through the print head; and, wherein at least one different print cartridge has a print head that is configured with a second set of firing nozzles supplied by a second different fluid pathway through the print head and wherein the first and second pathways have different minimum dimensions.

20. The printing device of claim 18, wherein the at least a portion of the ejected fluid configured to form the solar cell comprises fluid of at least two

colors.

21. A consumer good comprising:

a media having a pattern formed thereon by a printing device comprising one or more print cartridges; and,

wherein at least a portion of the pattern comprises a solar cell ejected as a slurried suspension from one or more of the print cartridges.

22. The consumer good of claim 21, wherein the at least a portion comprises a first area and a second different area, and wherein the first area and the second area appear as different colors to an observer.

23. The consumer good of claim 21 further comprising at least two electrodes positioned to transfer electrical current between the solar cell and an electronic device.

24. The consumer good of claim 21, wherein the consumer device comprises a greeting card.

25. A method comprising:

positioning a media relative to a printing device; and,

ejecting at least a solar slurry from the printing device to form a desired pattern on the media.

26. A method according to claim 25 further comprising positioning electrodes on the media to contact the solar slurry.
27. A method according to claim 25 wherein said act of ejecting comprises ejecting multiple solar slurries, and wherein at least two of the solar slurries appear as different colors to an observer.
28. A consumer good formed in accordance with the method of claim 25.
29. A consumer good packaging formed in accordance with the method of claim 25.
30. A method comprising:
 configuring a printing device to receive a print media; and,
 configuring the printing device to receive one or more print cartridges configured to selectively eject multi-phase mixed metal particles in a carrier solution onto a print media.
31. A method according to claim 30, wherein said configuring the printing device to receive one or more print cartridges comprises configuring the printing device to receive one or more print cartridges configured to eject multi-phase mixed metal particles in a carrier solution, and one or more print cartridges configured to eject a fluidic ink that does not comprise multi-phase mixed metal particles.